

For Research Use Only

MLK2 Polyclonal antibody

Catalog Number: 19974-1-AP **2 Publications**



Basic Information

Catalog Number: 19974-1-AP	GenBank Accession Number: NM_002446	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 133 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4294	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200
Source: Rabbit	Full Name: mitogen-activated protein kinase kinase kinase 10	
Isotype: IgG	Calculated MW: 104 kDa	
	Observed MW: 104-115 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB: human skeletal muscle tissue, human brain tissue IHC: human pancreas cancer tissue,
Cited Applications: WB	
Species Specificity: human	
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

MAP3K10, also named as MLK2 and MST, belongs to the protein kinase superfamily, STE Ser/Thr protein kinase family and MAP kinase kinase kinase subfamily. MAP3K10 activates the JUN N-terminal pathway. MAP3K10 catalyzes the reaction: ATP + a protein = ADP + a phosphoprotein. The antibody recognizes the N-term of MAP3K10. The antibody has no cross reaction to MAP3K9.

Notable Publications

Author	Pubmed ID	Journal	Application
Luis Cedeno-Rosario	35843311	J Biol Chem	WB
Chia-Hao Huang	27377153	Lab Chip	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

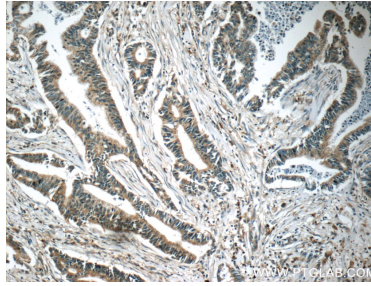
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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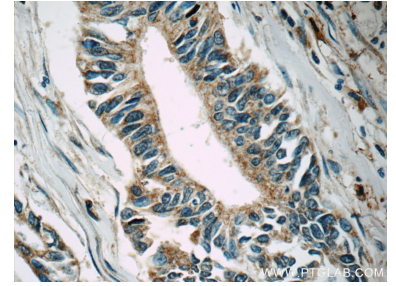
Selected Validation Data



human skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 19974-1-AP (MLK2 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 19974-1-AP (MLK2 antibody at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 19974-1-AP (MLK2 antibody at dilution of 1:50 (under 40x lens).